SWP Water Quality Summary

June 09, 2004

Total Dissolved Solids: TDS remained below the Article 19 Monthly Average Objective at all locations. The highest concentration of 283 mg/l occurred at Check 41, on May 30, 2004. The only decrease was at Barker Slough, which dropped from 194 mg/l on May 28 to 174 mg/l on June 9, 2004. A gradual increase occurred in Banks Pumping Plant, Devil Canyon and Vallecitos (South Bay Aqueduct).

Bromide concentrations: Bromide concentrations remained above the CBDA Objectives. Bromide concentrations are slowly decreasing at most locations except Devil Canyon, which has a peak of 0.2 mg/l that occurred on June 9, 2004. The lowest concentration of 0.04 mg/l, which occurred in Barker Slough.

Turbidity: There was an increase in turbidity at Barker Slough to 95 NTU on May 29, 2004. Turbidity at all other locations exhibited no significant changes.

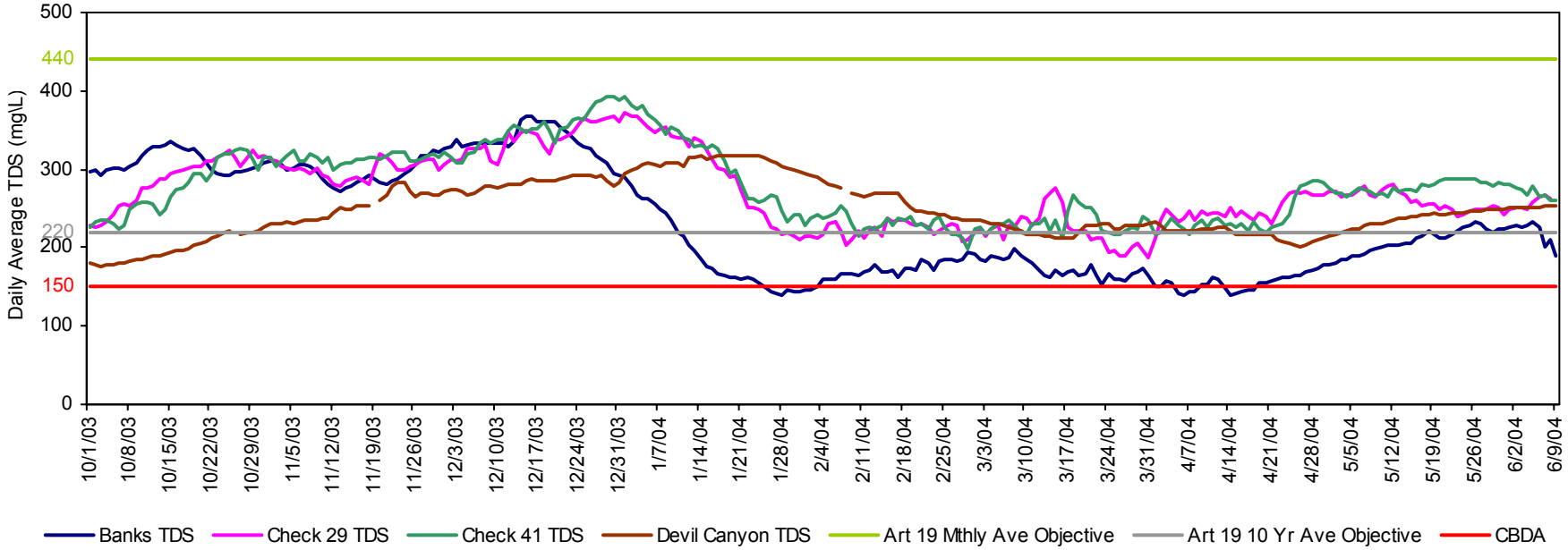
Dissolved Organic Carbon: DOC at Check 13 and 41 in the California Aqueduct appeared to be leveling out near 3 mg/l. The highest DOC of 4.3 mg/l was measured at Banks Pumping Plant, where values have been increasing gradually since mid-April.

Taste and Odor Compounds: MIB and geosmin continue to be low in the California and South Bay Aqueducts. Data collected on May 24, showed that taste and odor compounds were also low in Lake Perris. In Castaic Lake, geosim has increased dramatically during the past week to concentration greater than 25 ng/ml. A copper sulfate treatment may be scheduled shortly to control the taste and odor producing blue green algae.

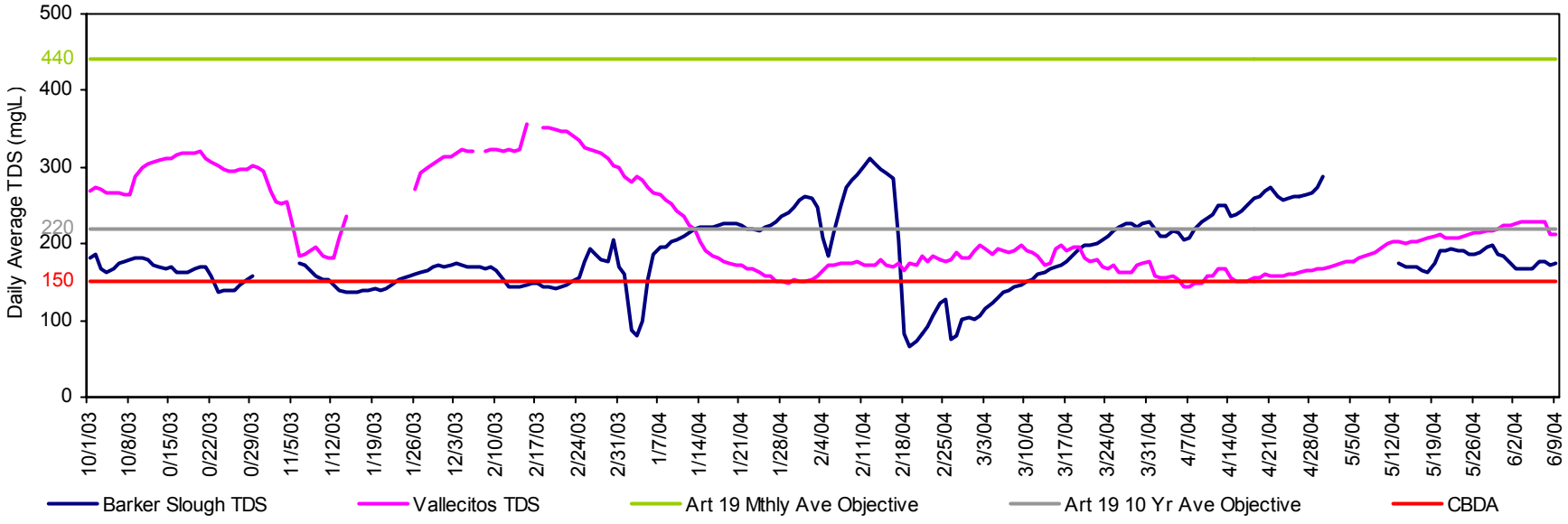
Ground Water Pump-in: A ground water pump-in prepared by Arvin Edison WSD may start pumping this month.

For more information refer to: http://wwwomwq.water.ca.gov **and**
http://wwwdpla.ca.gov/supply/sampling/mwq/main.htm

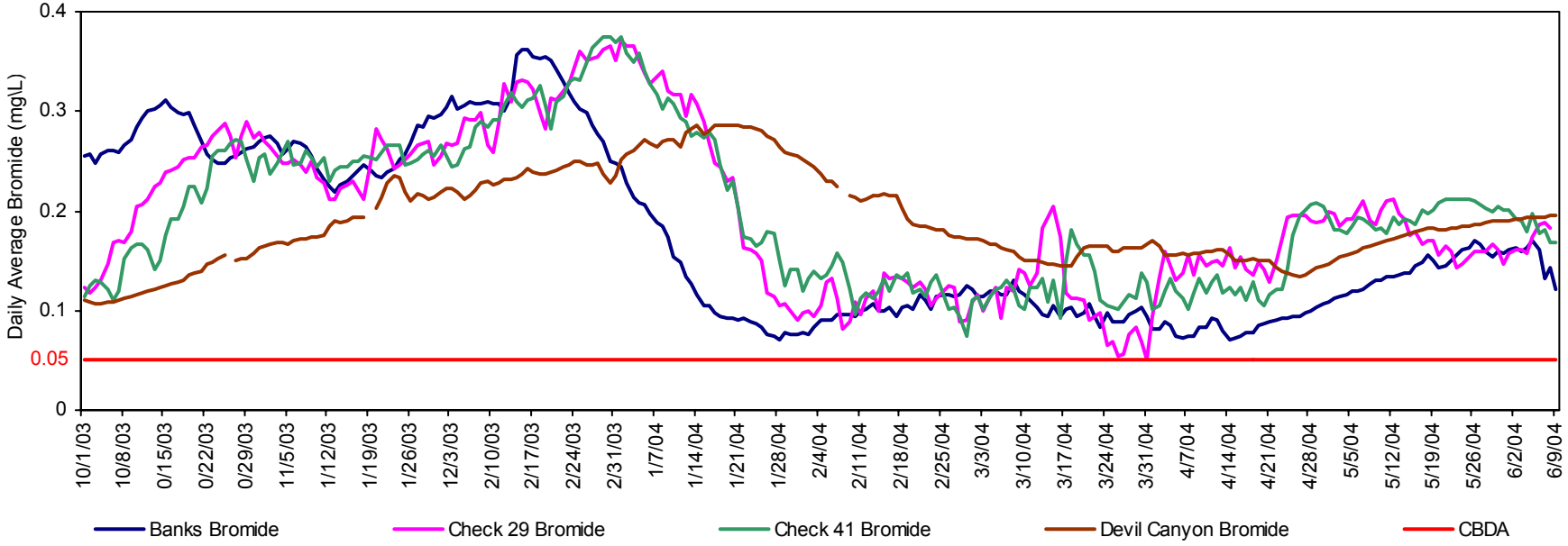
California Aqueduct - Calculated Total Dissolved Solids



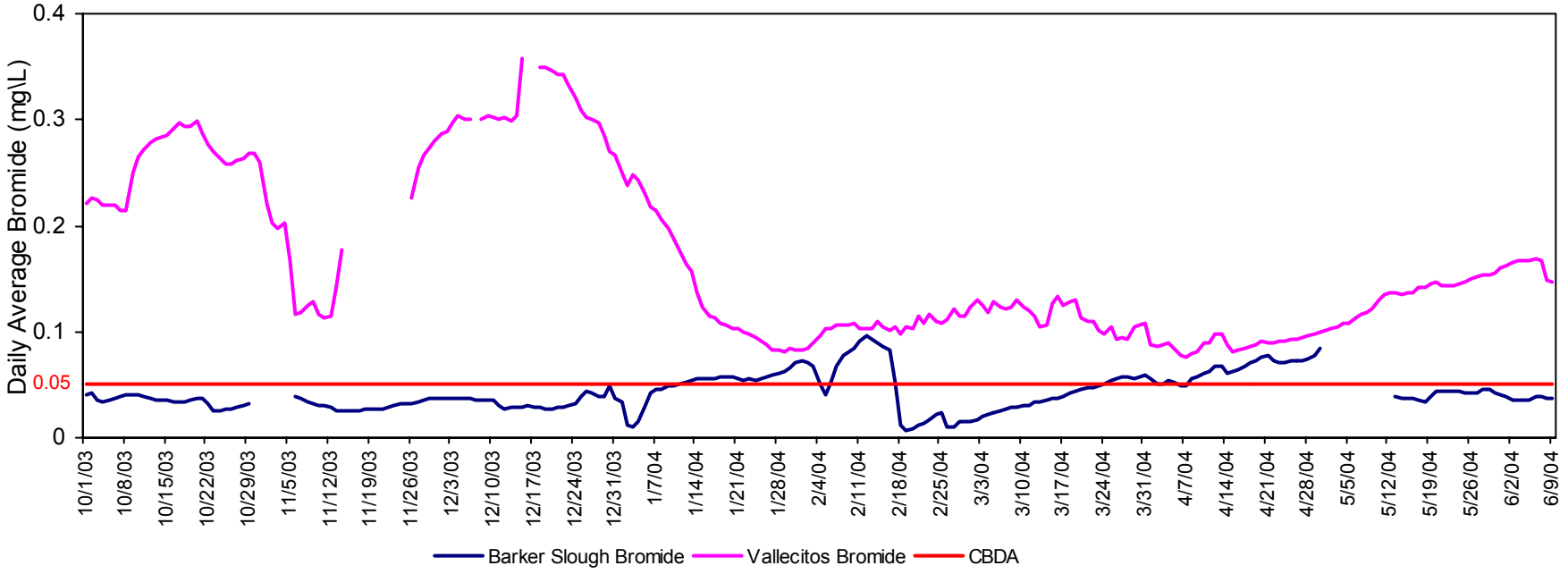
North and South Bay Aqueduct - Calculated Total Dissolved Solids



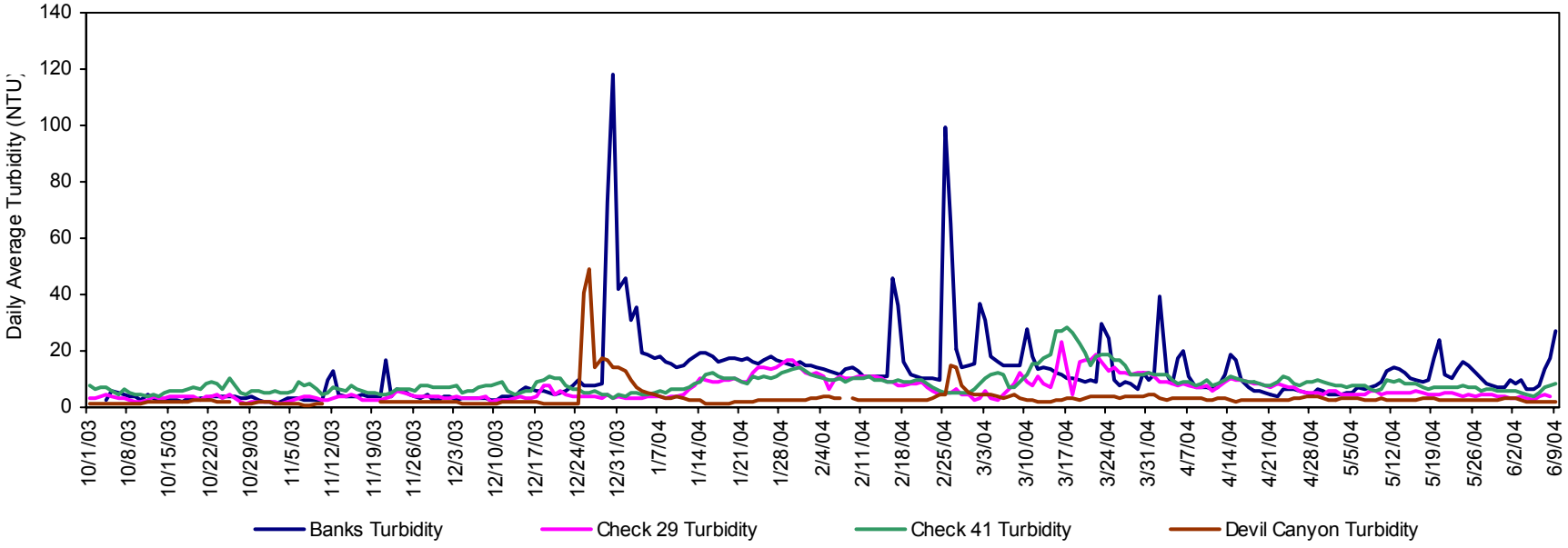
California Aqueduct - Calculated Bromide



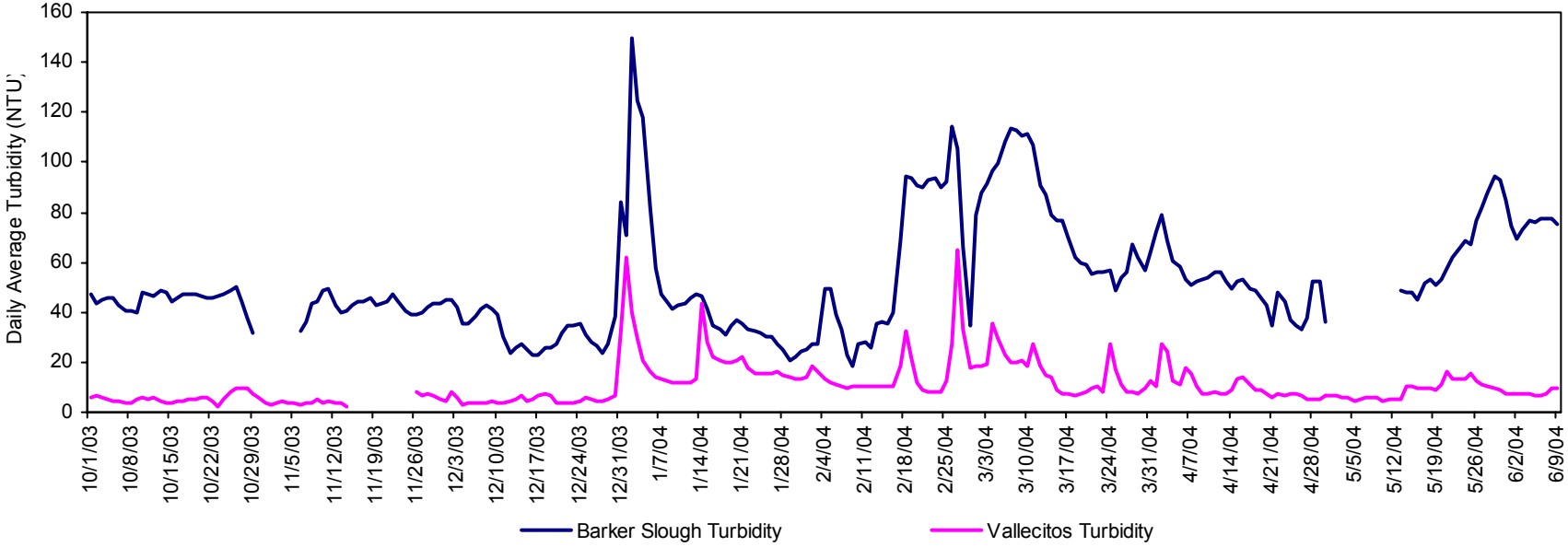
North and South Bay Aqueduct - Calculated Bromide

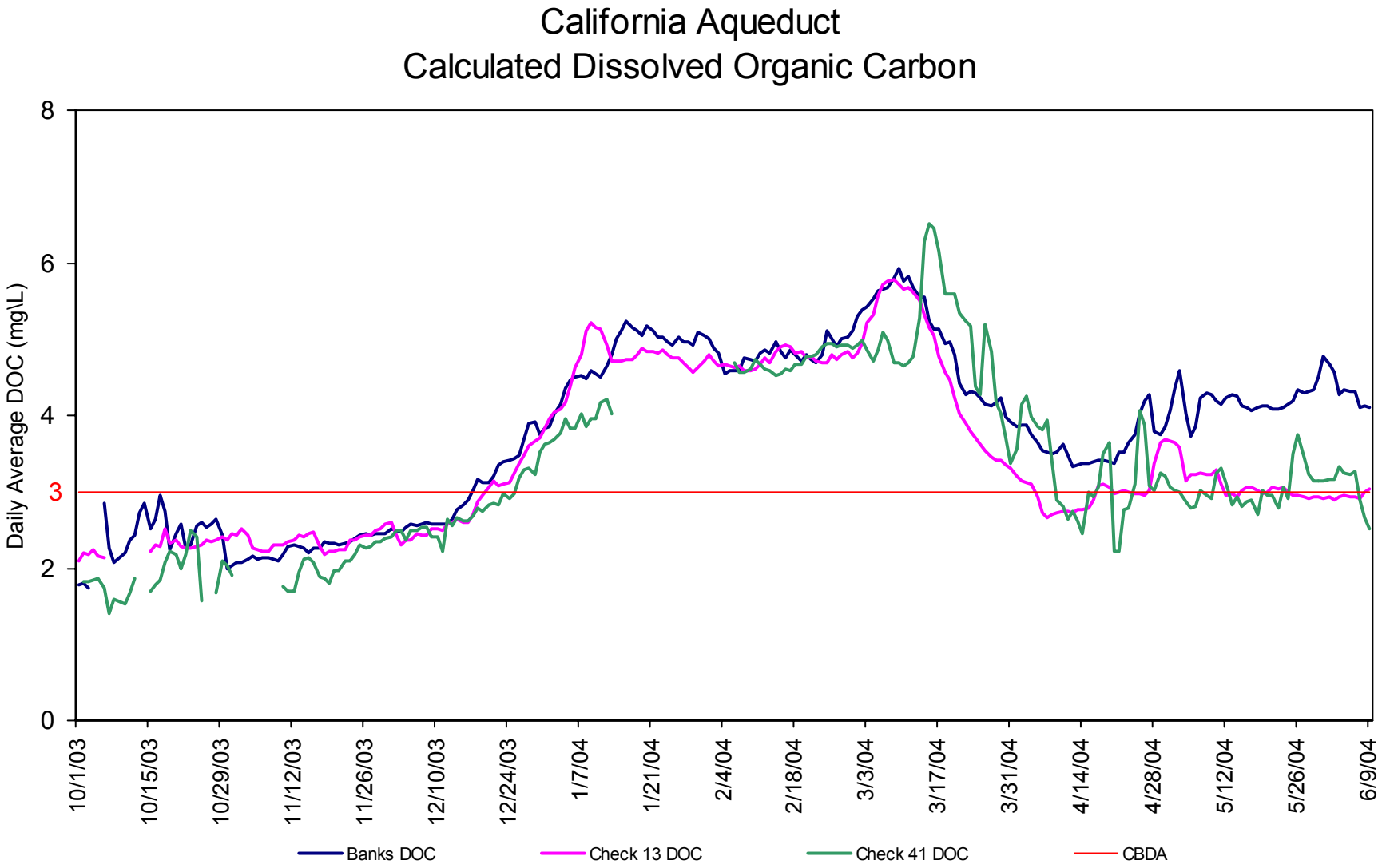


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
8
6
4
3
2
0
10/1/03
10/15/03
10/29/03
11/12/03
11/26/03
12/10/03
12/24/03
1/7/04
1/21/04
2/4/04
2/18/04
3/3/04
3/17/04
3/31/04
4/14/04
4/28/04
5/12/04
5/26/04
6/9/04
Banks DOC
Check 13 DOC
Check 41 DOC
CBDA